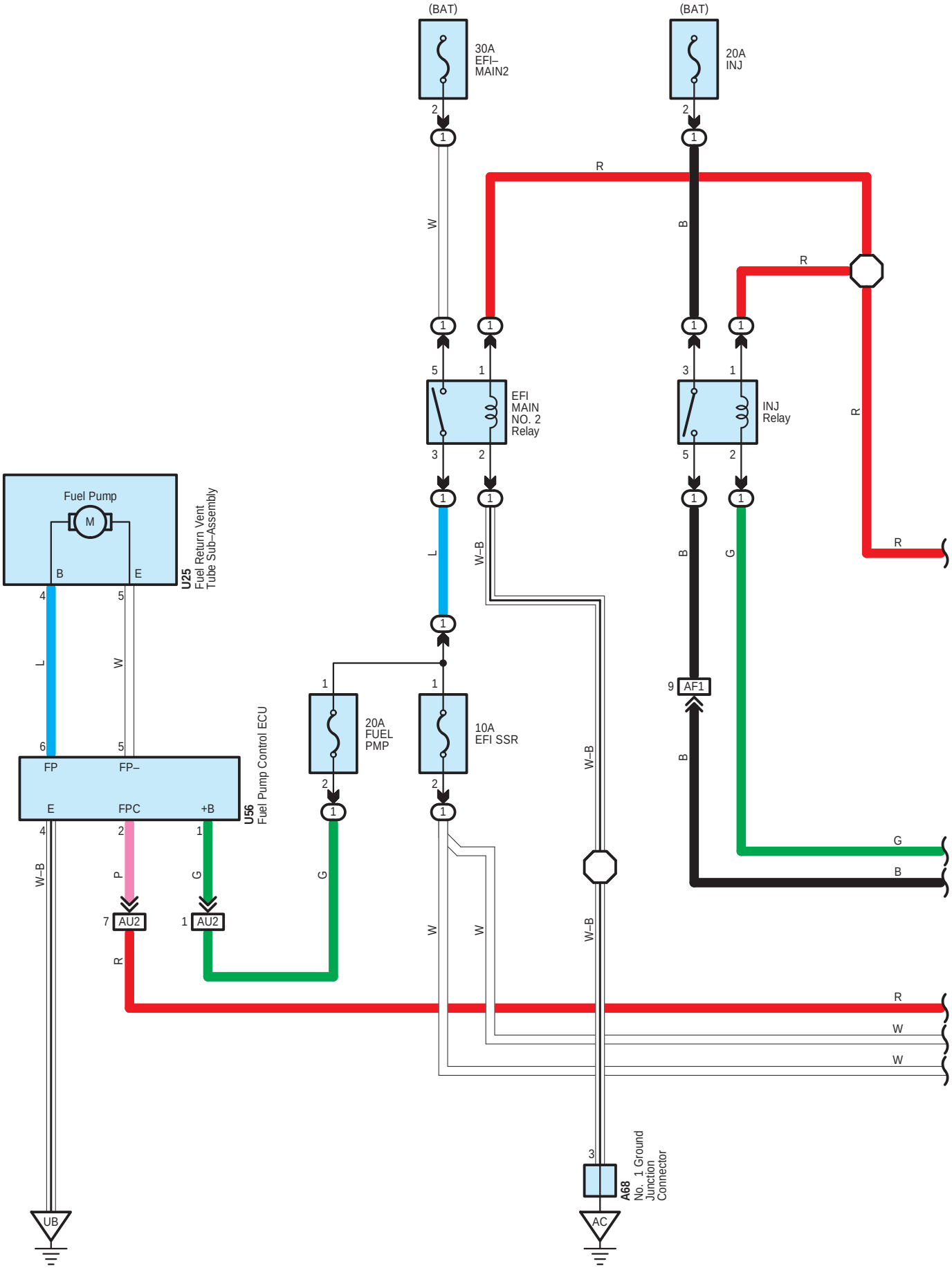
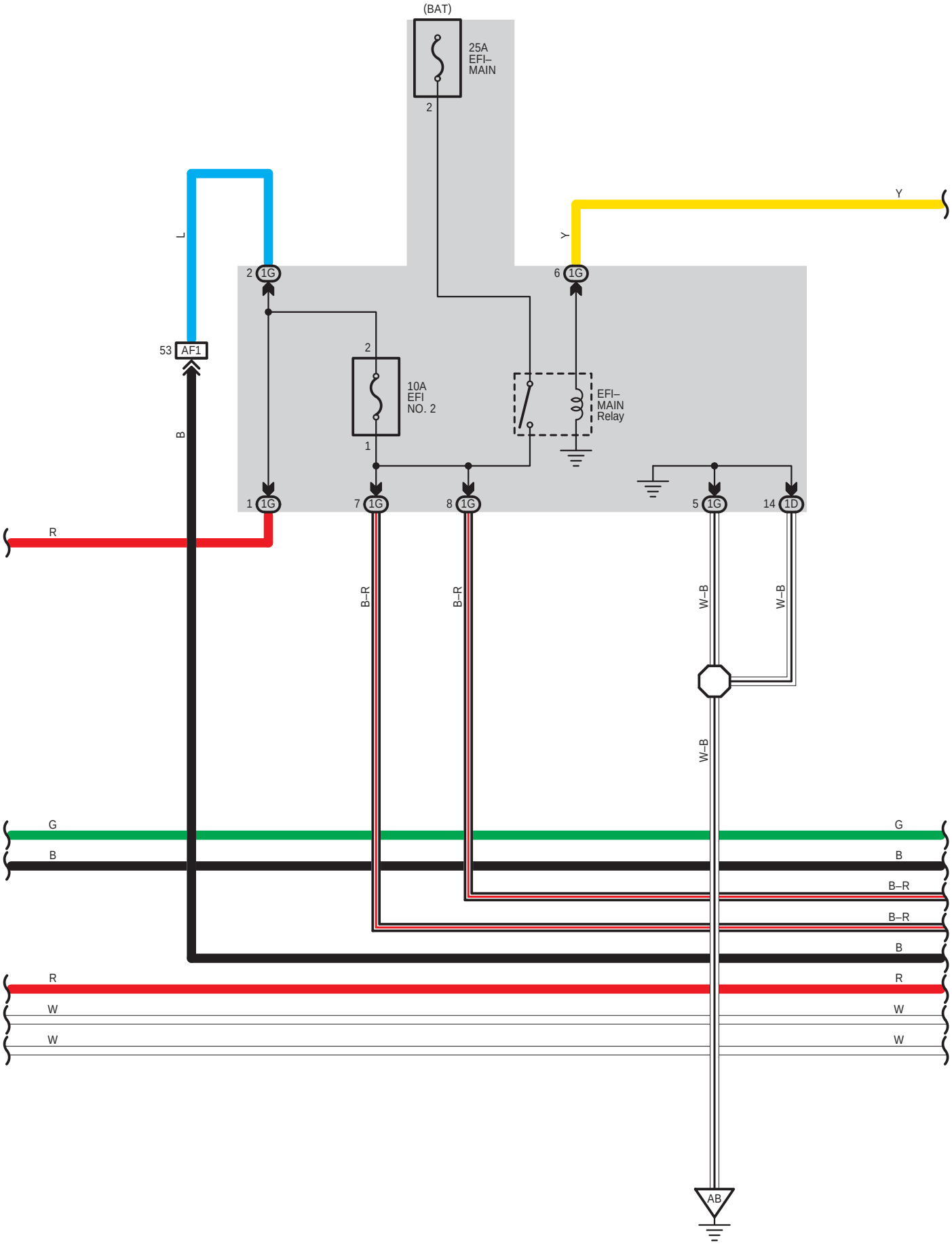
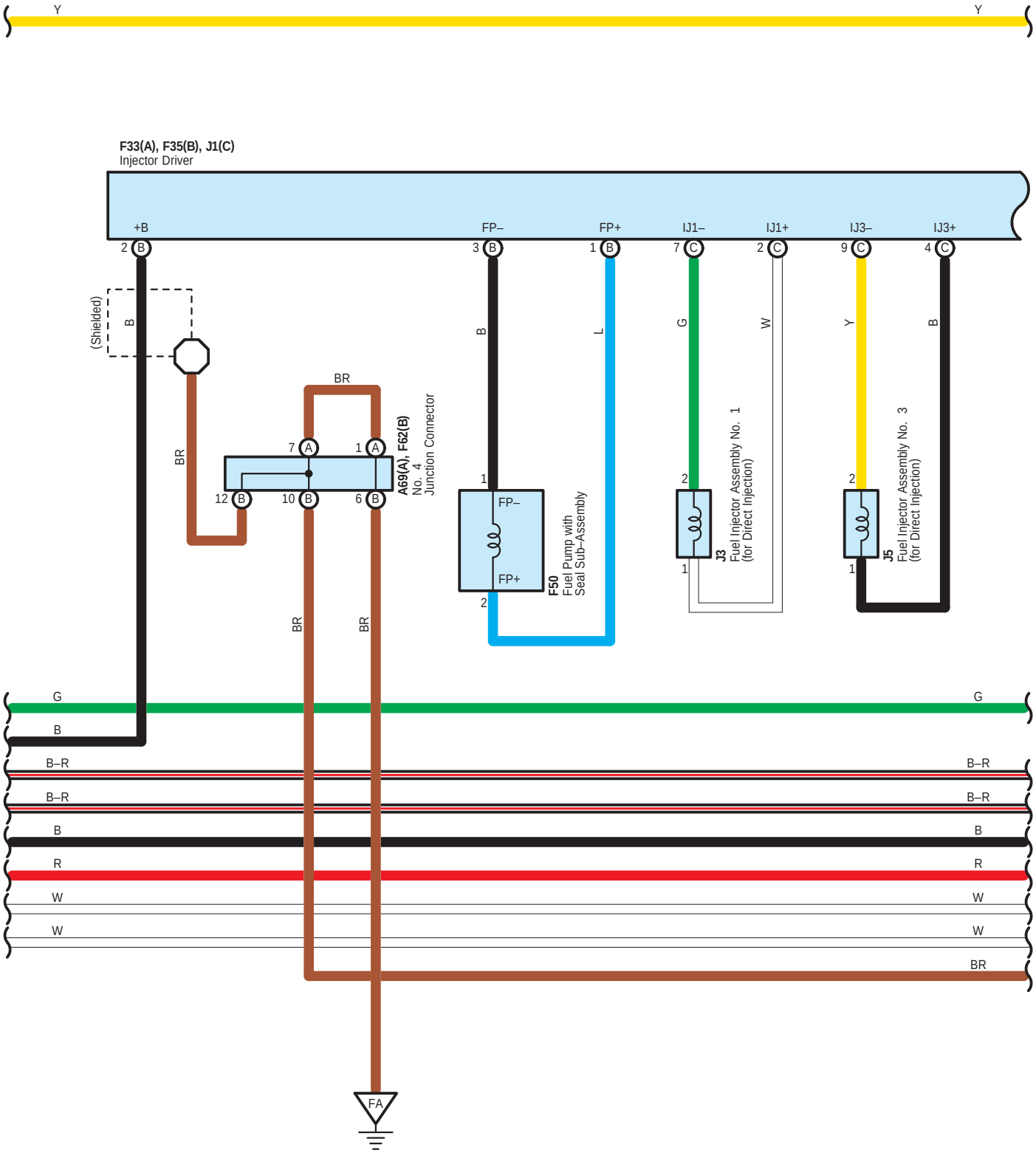
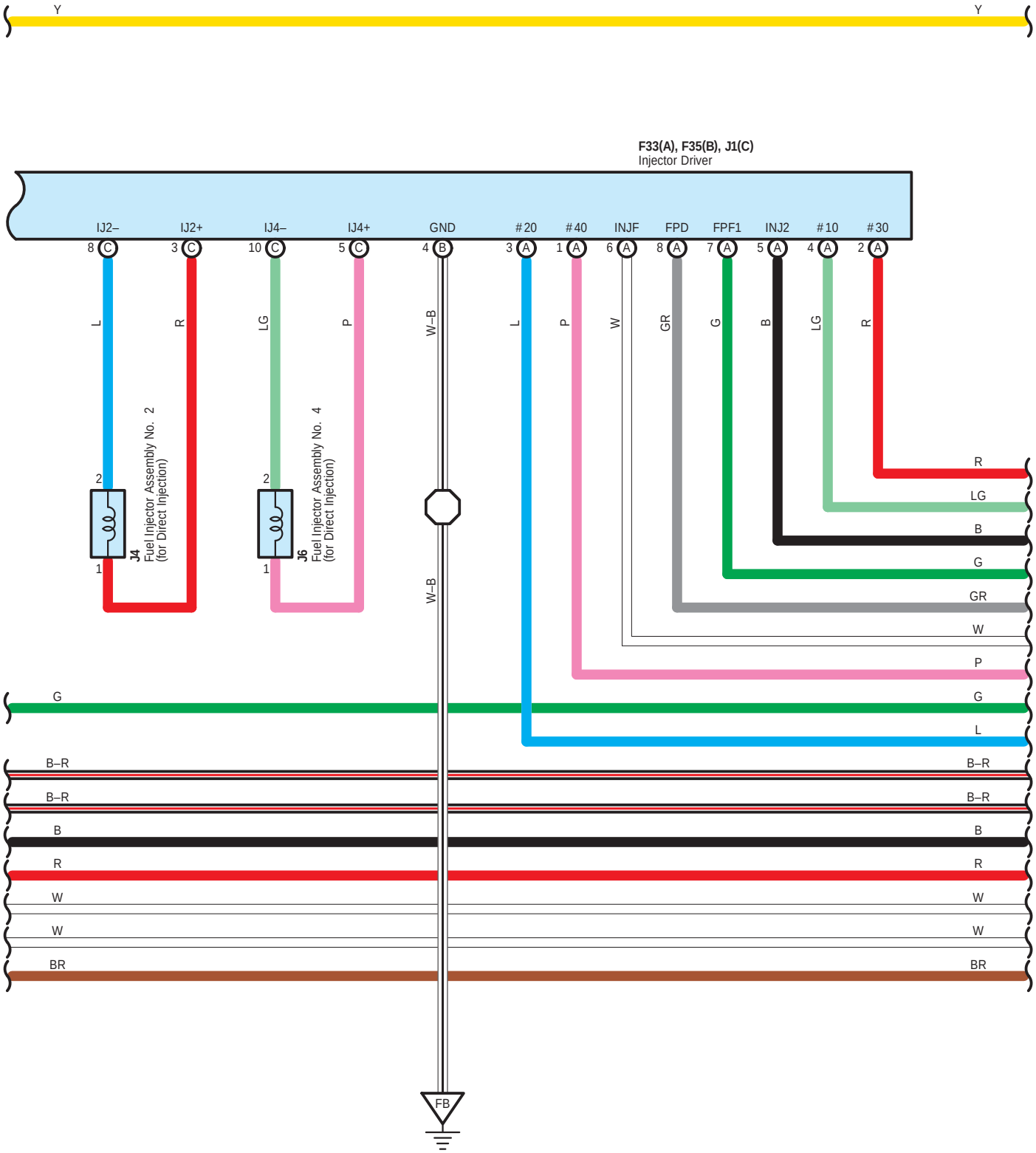
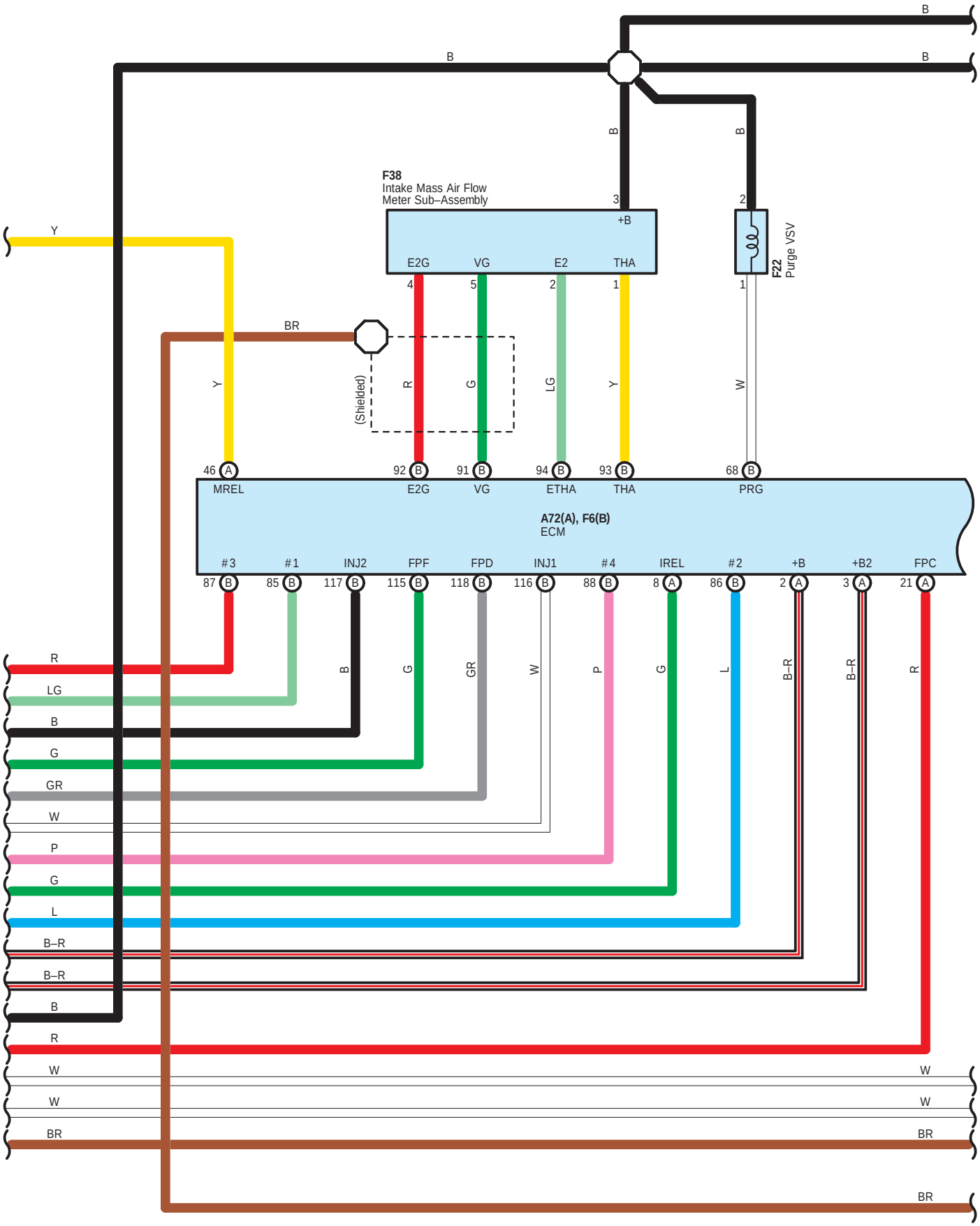
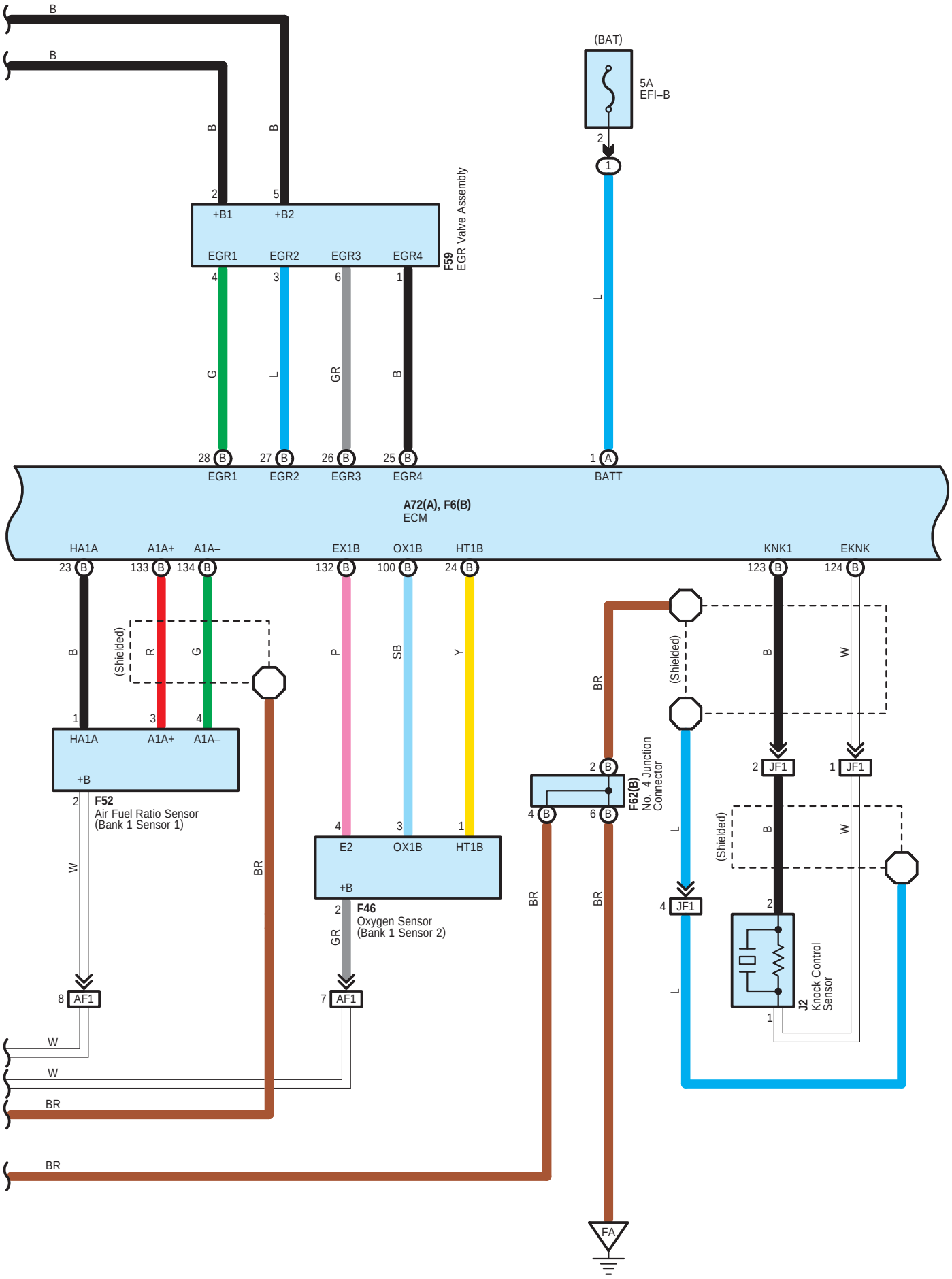

(BAT)
30A
EFI–
MAIN2
(BAT)
20A
INJ
EFI
MAIN
NO. 2
Relay
INJ
Relay
Fuel Pump
M
B
E
U25
Fuel Return Vent
Tube Sub–Assembly
FP
FP–
E
FPC
+B
U56
Fuel Pump Control ECU
20A
FUEL
PMP
10A
EFI SSR
AF1
AU2
AU2
A68
No. 1 Ground
Junction
Connector
UB
AC

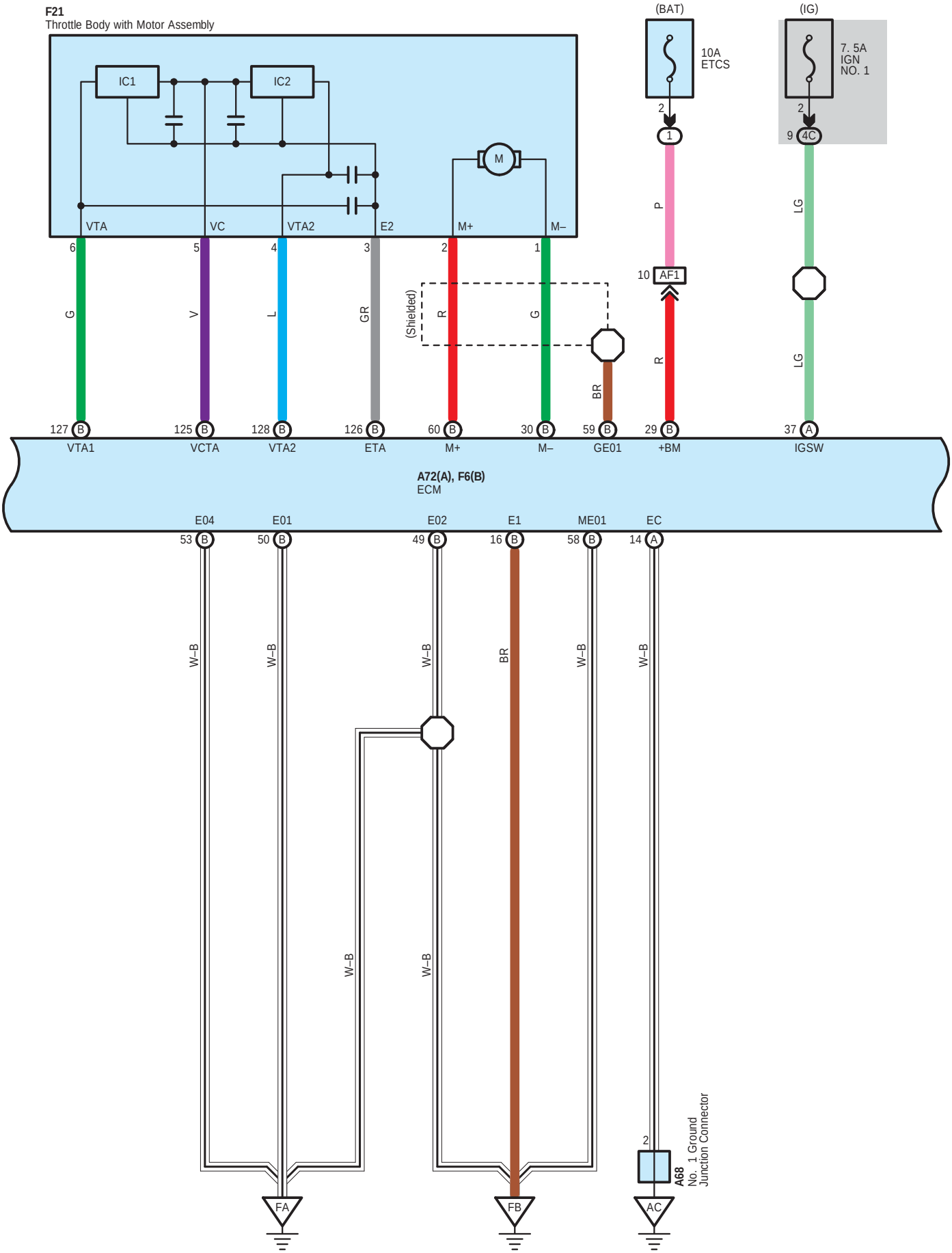

(BAT)
25A
EFI–
MAIN
2
L
Y
Y
2 1G
6 1G
53 AF1
2
10A
EFI
NO. 2
1
EFI–
MAIN
Relay
B
1 1G
7 1G
8 1G
5 1G
14 1D
R
B–R
B–R
W–B
W–B
W–B
G
B
G
B
B–R
B–R
B
R
W
W
R
W
W
AB

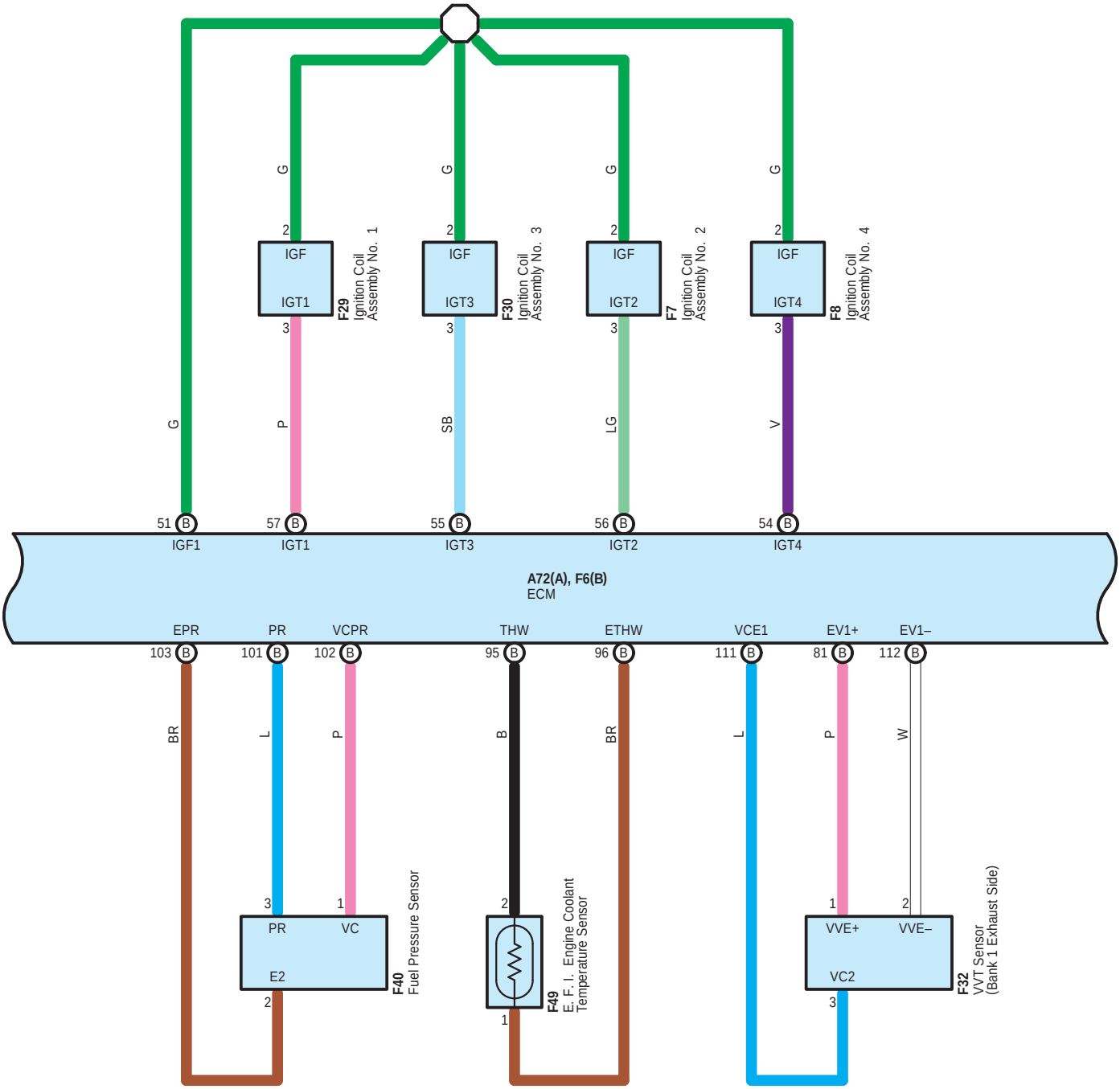

Y
Y
F33(A), F35(B), J1(C)
Injector Driver
+B
FP–
FP+
IJ1–
IJ1+
IJ3–
IJ3+
2 B
3 B
1 B
7 C
2 C
9 C
4 C
(Shielded)
B
B
L
G
W
Y
B
BR
BR
7 A
1 A
12 B
10 B
6 B
A69(A), F62(B)
No. 4
Junction Connector
1
FP–
FP+
2
F50
Fuel Pump with
Seal Sub–Assembly
2
1
J3
Fuel Injector Assembly No. 1
(for Direct Injection)
2
1
J5
Fuel Injector Assembly No. 3
(for Direct Injection)
BR
BR
G
G
B
B–R
B–R
B–R
B–R
B
B
R
R
W
W
W
W
BR
FA

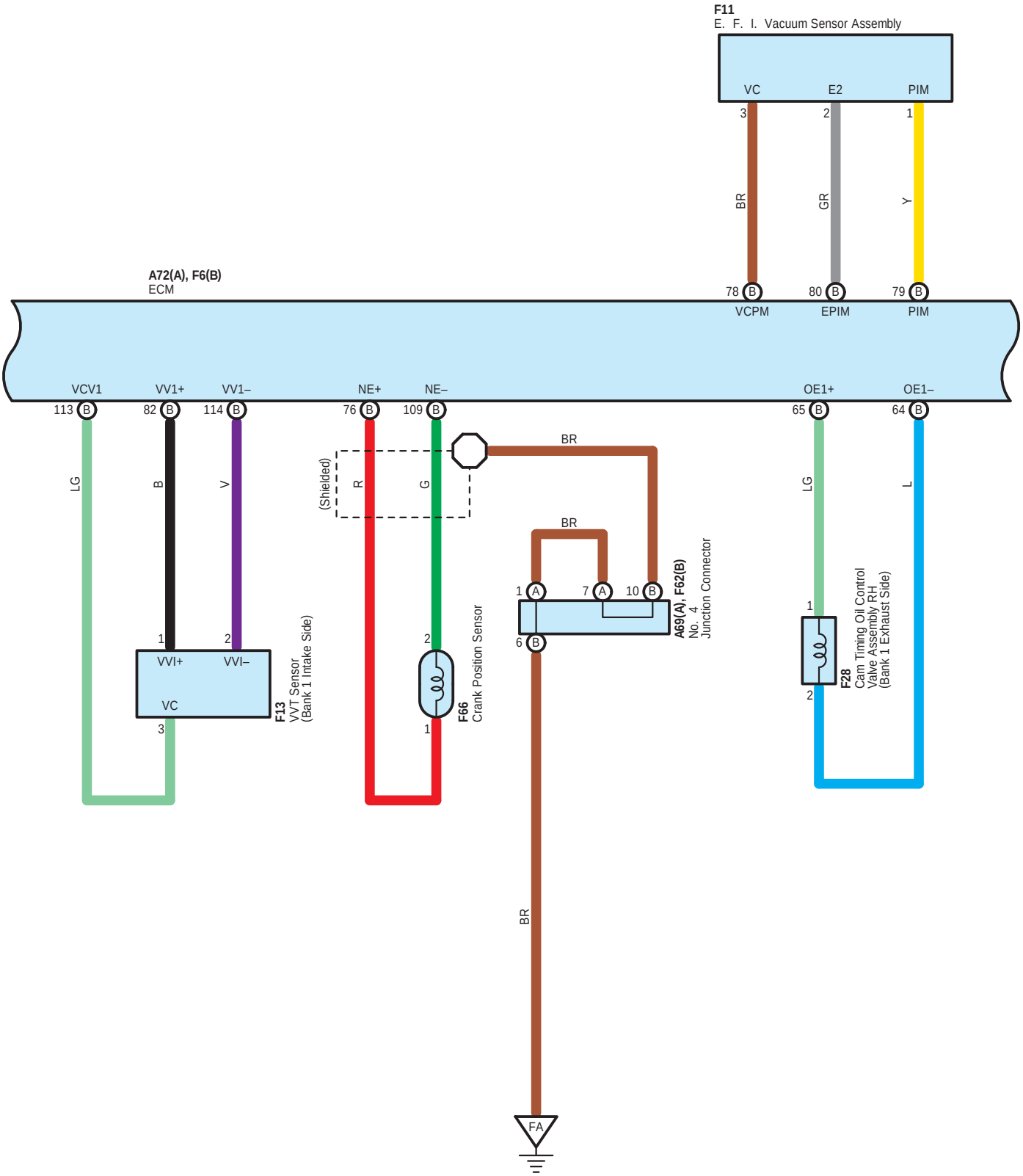

Y
Y
F33(A), F35(B), J1(C)
Injector Driver
IJ2–
IJ2+
IJ4–
IJ4+
GND
#20
#40
INJF
FPD
FPF1
INJ2
#10
#30
8 C
3 C
10 C
5 C
4 B
3 A
1 A
6 A
8 A
7 A
5 A
4 A
2 A
L
R
LG
P
W–B
L
P
W
GR
G
B
LG
R
2
1
J4
Fuel Injector Assembly No. 2
(for Direct Injection)
2
1
J6
Fuel Injector Assembly No. 4
(for Direct Injection)
W–B
R
LG
B
G
GR
W
P
G
G
L
B–R
B–R
B
R
W
W
BR
B–R
B–R
B
R
W
W
BR
FB

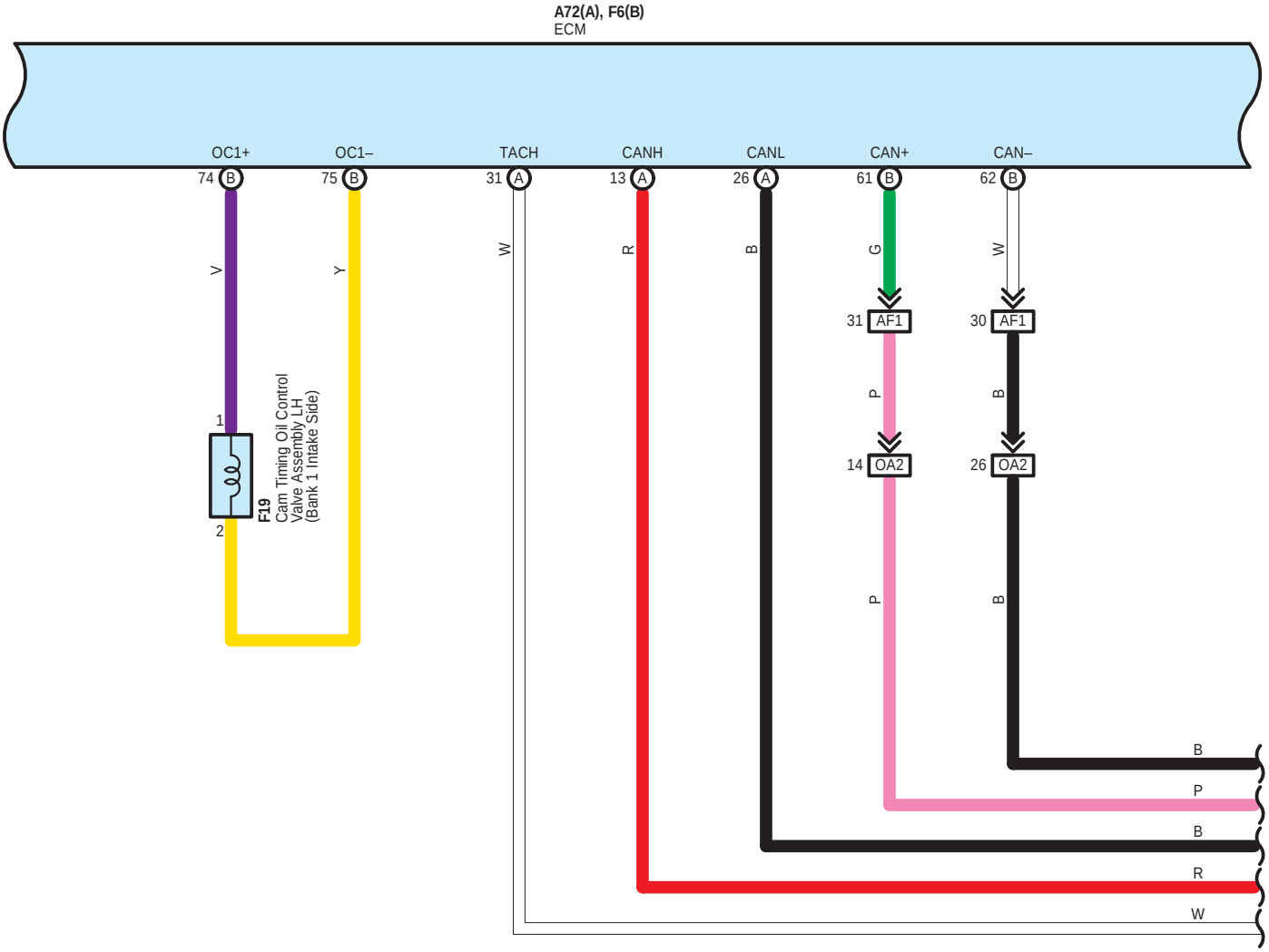

F38
Intake Mass Air Flow
Meter Sub–Assembly
+B
E2G
VG
E2
THA
F22
Purge VSV
(Shielded)
A72(A), F6(B)
ECM
MREL
E2G
VG
ETHA
THA
PRG
#3
#1
INJ2
FPF
FPD
INJ1
#4
IREL
#2
+B
+B2
FPC

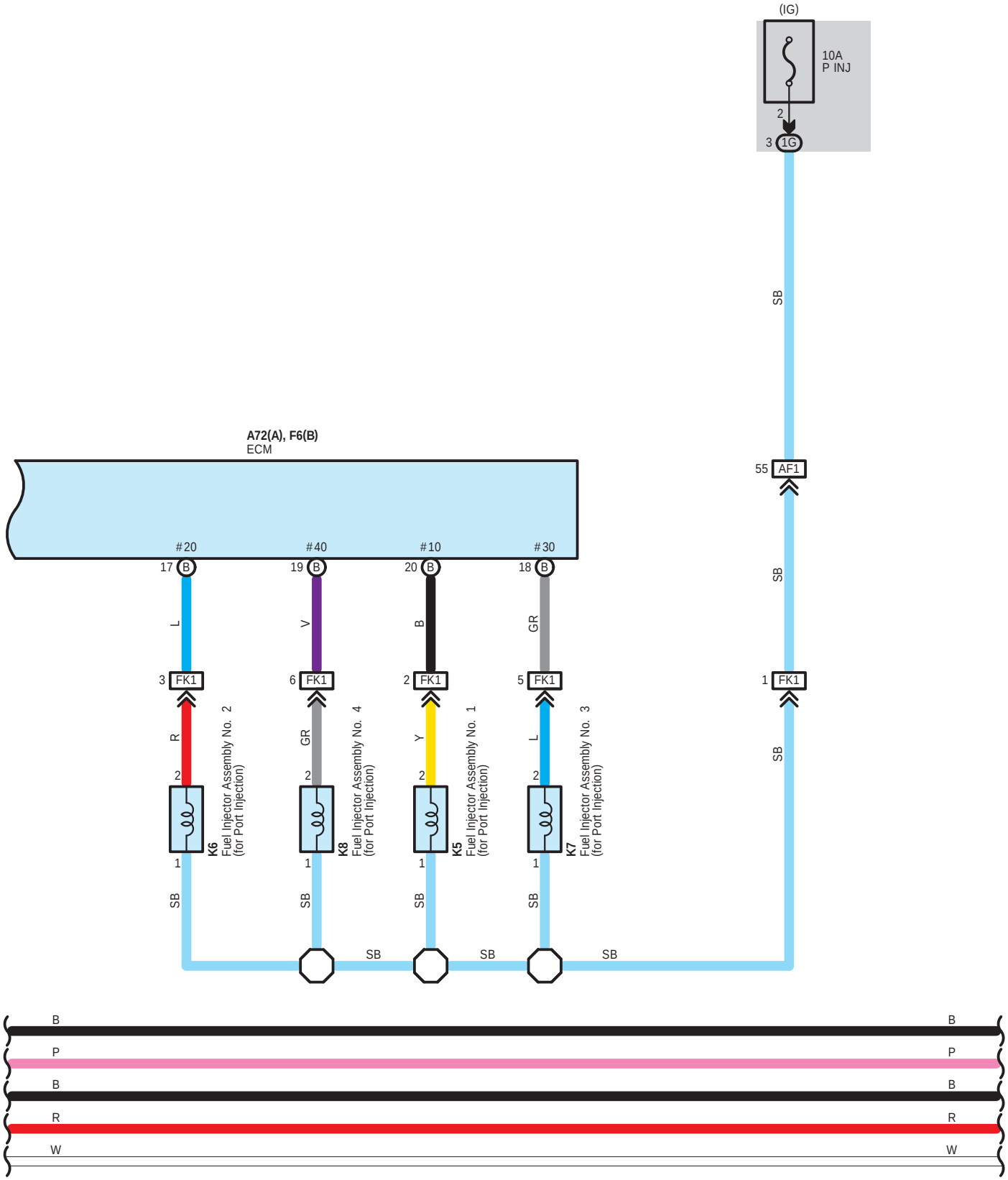

B
B
B
B
2
5
+B1
+B2
EGR1
EGR2
EGR3
EGR4
4
3
6
1
F59
EGR Valve Assembly
G
L
GR
B
28 B
27 B
26 B
25 B
EGR1
EGR2
EGR3
EGR4
(BAT)
5A
EFI–B
2
1
L
1 A
BATT
A72(A), F6(B)
ECM
HA1A
A1A+
A1A–
EX1B
OX1B
HT1B
KNK1
EKNK
23 B
133 B
134 B
132 B
100 B
24 B
123 B
124 B
(Shielded)
B
R
G
P
SB
Y
BR
(Shielded)
B
W
1
3
4
HA1A
A1A+
A1A–
+B
2
F52
Air Fuel Ratio Sensor
(Bank 1 Sensor 1)
W
BR
4
3
1
E2
OX1B
HT1B
+B
2
F46
Oxygen Sensor
(Bank 1 Sensor 2)
GR
8 AF1
7 AF1
W
W
BR
BR
2 B
4 B
6 B
F62(B)
No. 4 Junction
Connector
BR
BR
L
2 JF1
1 JF1
(Shielded)
B
W
4 JF1
2
L
J2
Knock Control
Sensor
1
FA

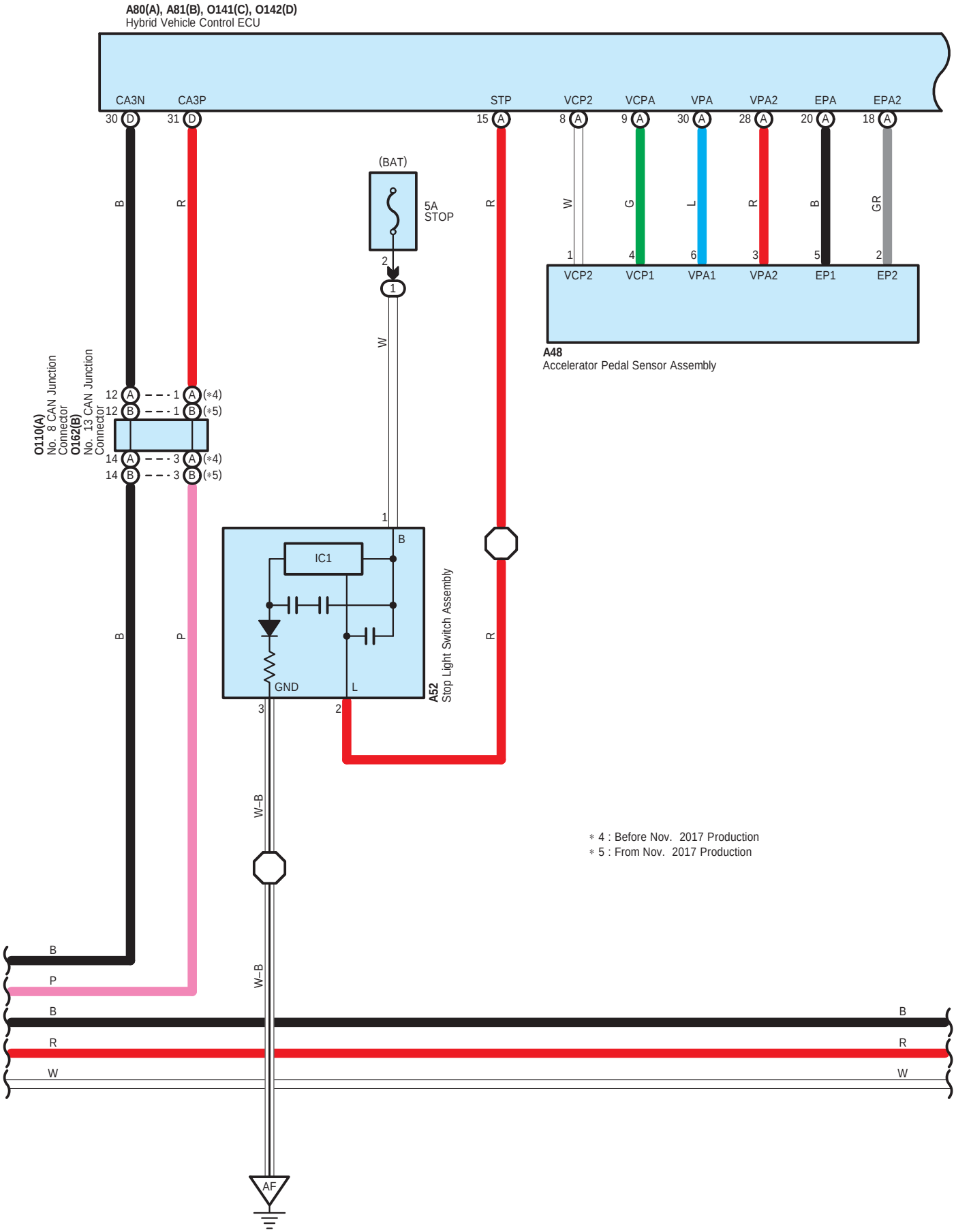

F21
Throttle Body with Motor Assembly
IC1
IC2
M
VTA
VC
VTA2
E2
M+
M–
(BAT)
10A
ETCS
(IG)
7. 5A
IGN
NO. 1
AF1
(Shielded)
127 B VTA1
125 B VCTA
128 B VTA2
126 B ETA
60 B M+
30 B M–
59 B GE01
29 B +BM
37 A IGSW
A72(A), F6(B)
ECM
E04 53 B
E01 50 B
E02 49 B
E1 16 B
ME01 58 B
EC 14 A
W–B
BR
FA
FB
AC
A68
No. 1 Ground
Junction Connector

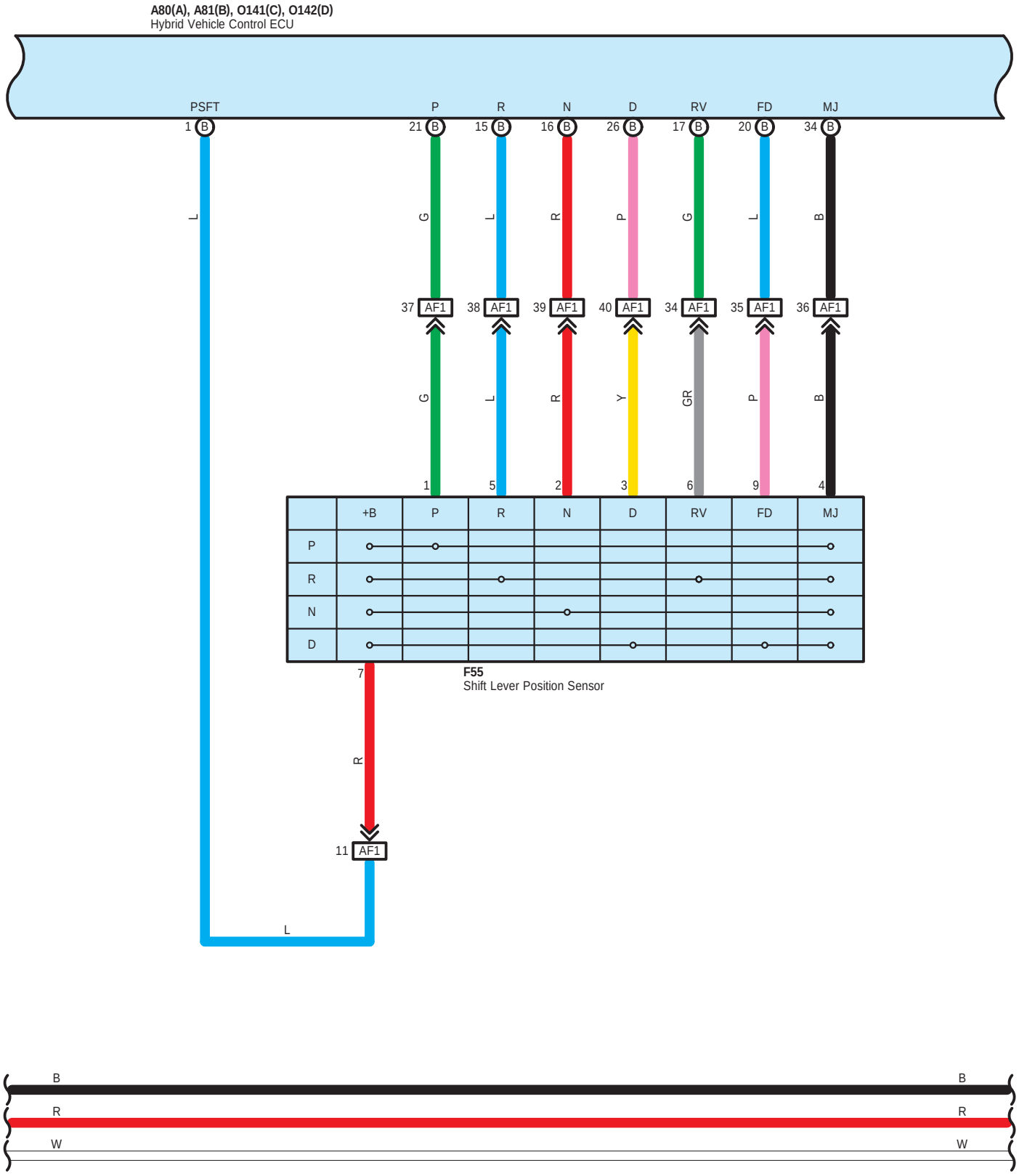

G
G
G
G
2
IGF
IGT1
3
F29
Ignition Coil
Assembly No. 1
2
IGF
IGT3
3
F30
Ignition Coil
Assembly No. 3
2
IGF
IGT2
3
F7
Ignition Coil
Assembly No. 2
2
IGF
IGT4
3
F8
Ignition Coil
Assembly No. 4
G
P
SB
LG
V
51 B
IGF1
57 B
IGT1
55 B
IGT3
56 B
IGT2
54 B
IGT4
A72(A), F6(B)
ECM
EPR
PR
VCPR
THW
ETHW
VCE1
EV1+
EV1–
103 B
101 B
102 B
95 B
96 B
111 B
81 B
112 B
BR
L
P
B
BR
L
P
W
3
PR
E2
2
1
VC
F40
Fuel Pressure Sensor
2
1
F49
E. F. I. Engine Coolant
Temperature Sensor
1
VVE+
VC2
2
VVE–
3
F32
VVT Sensor
(Bank 1 Exhaust Side)

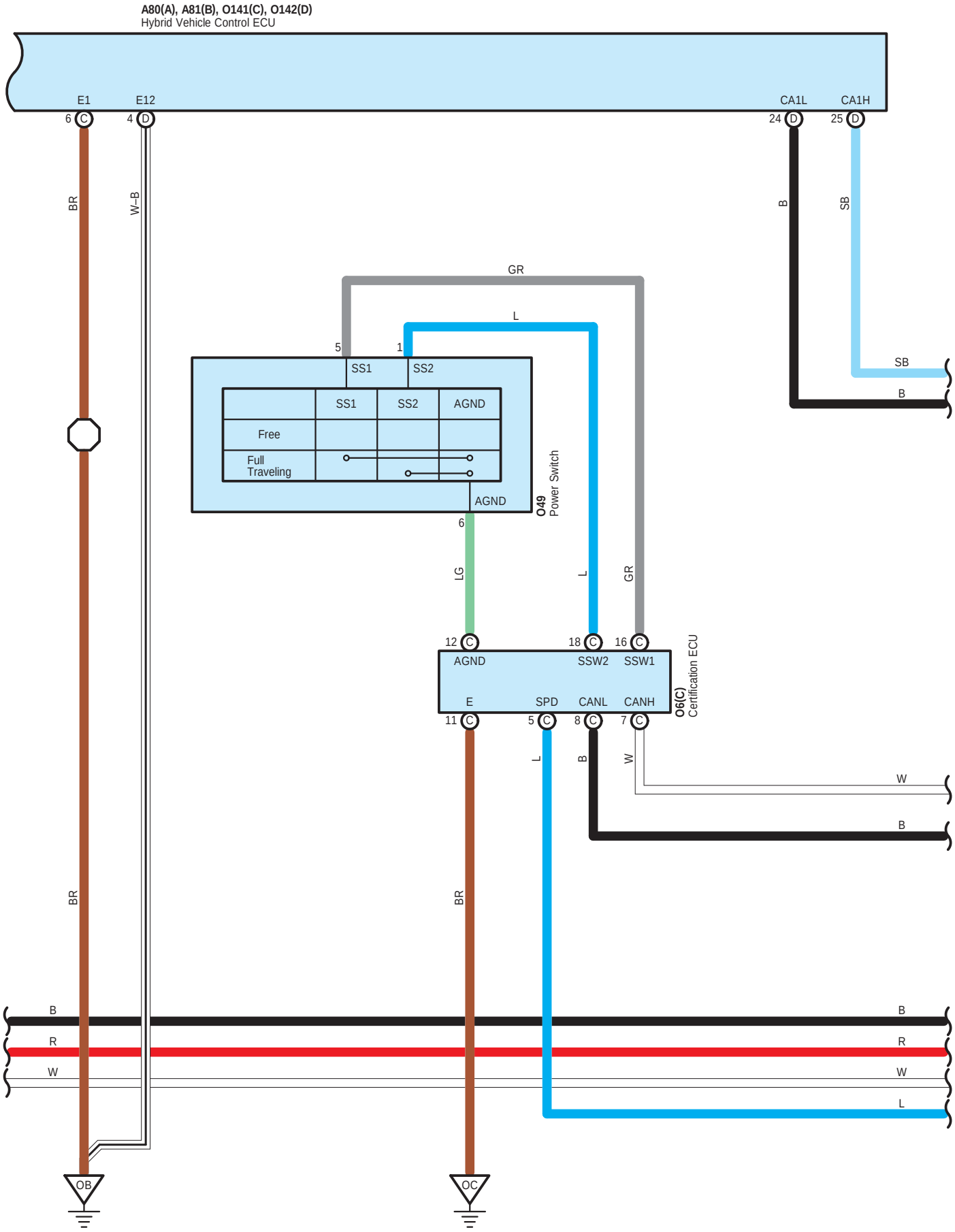

F11
E. F. I. Vacuum Sensor Assembly
VC
E2
PIM
3
2
1
BR
GR
Y
A72(A), F6(B)
ECM
78 B
80 B
79 B
VCPM
EPIM
PIM
VCV1
VV1+
VV1–
NE+
NE–
OE1+
OE1–
113 B
82 B
114 B
76 B
109 B
65 B
64 B
LG
B
V
(Shielded)
R
G
BR
BR
1 A
7 A
10 B
6 B
A69(A), F62(B)
No. 4
Junction Connector
LG
L
1
2
VVI+
VVI–
VC
3
F13
VVT Sensor
(Bank 1 Intake Side)
F66
Crank Position Sensor
F28
Cam Timing Oil Control
Valve Assembly RH
(Bank 1 Exhaust Side)
BR
FA

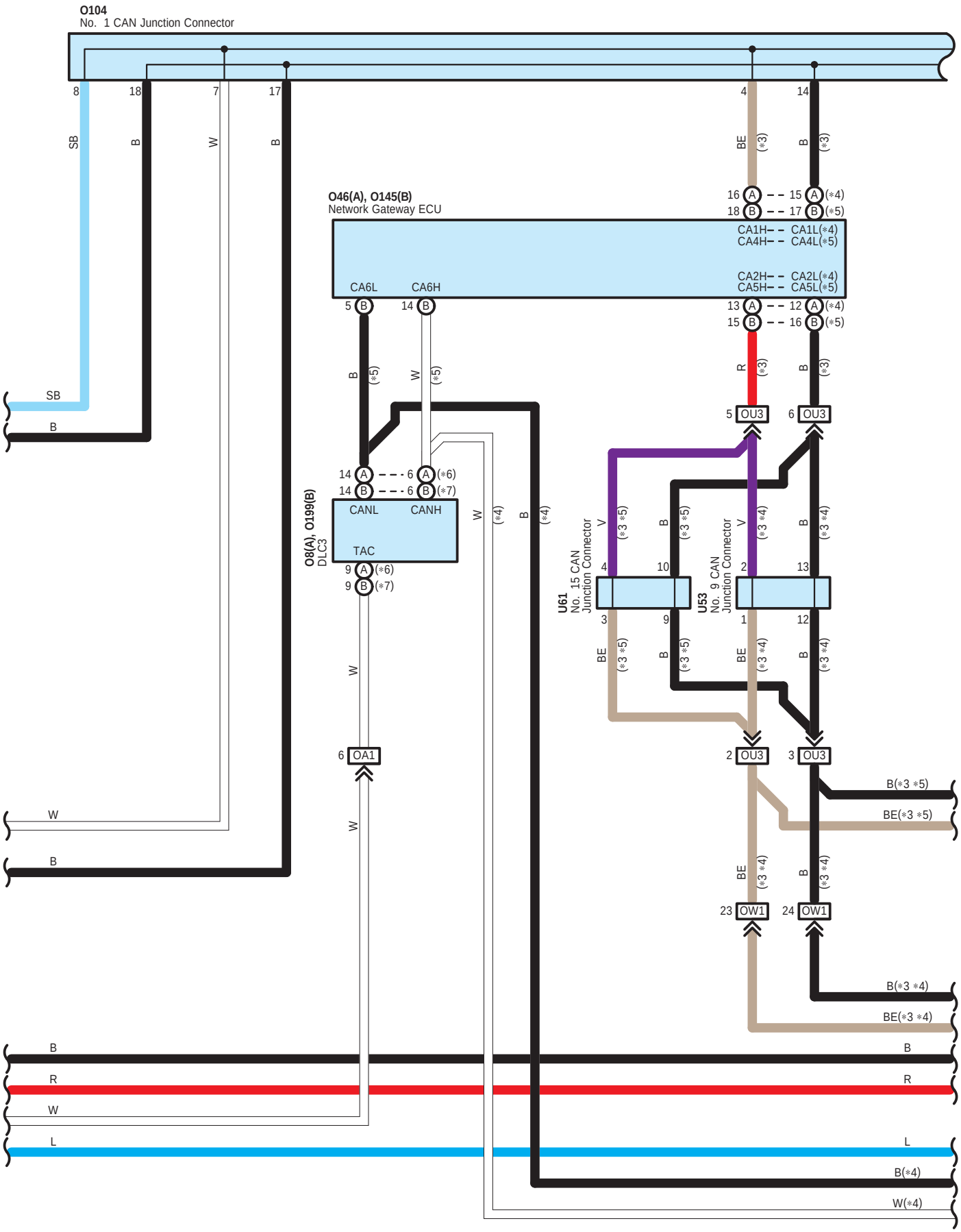

A72(A), F6(B)
ECM
OC1+
OC1–
TACH
CANH
CANL
CAN+
CAN–
74 B
75 B
31 A
13 A
26 A
61 B
62 B
V
Y
W
R
B
G
W
31 AF1
30 AF1
P
B
14 OA2
26 OA2
P
B
1
2
F19
Cam Timing Oil Control
Valve Assembly LH
(Bank 1 Intake Side)
B
P
B
R
W

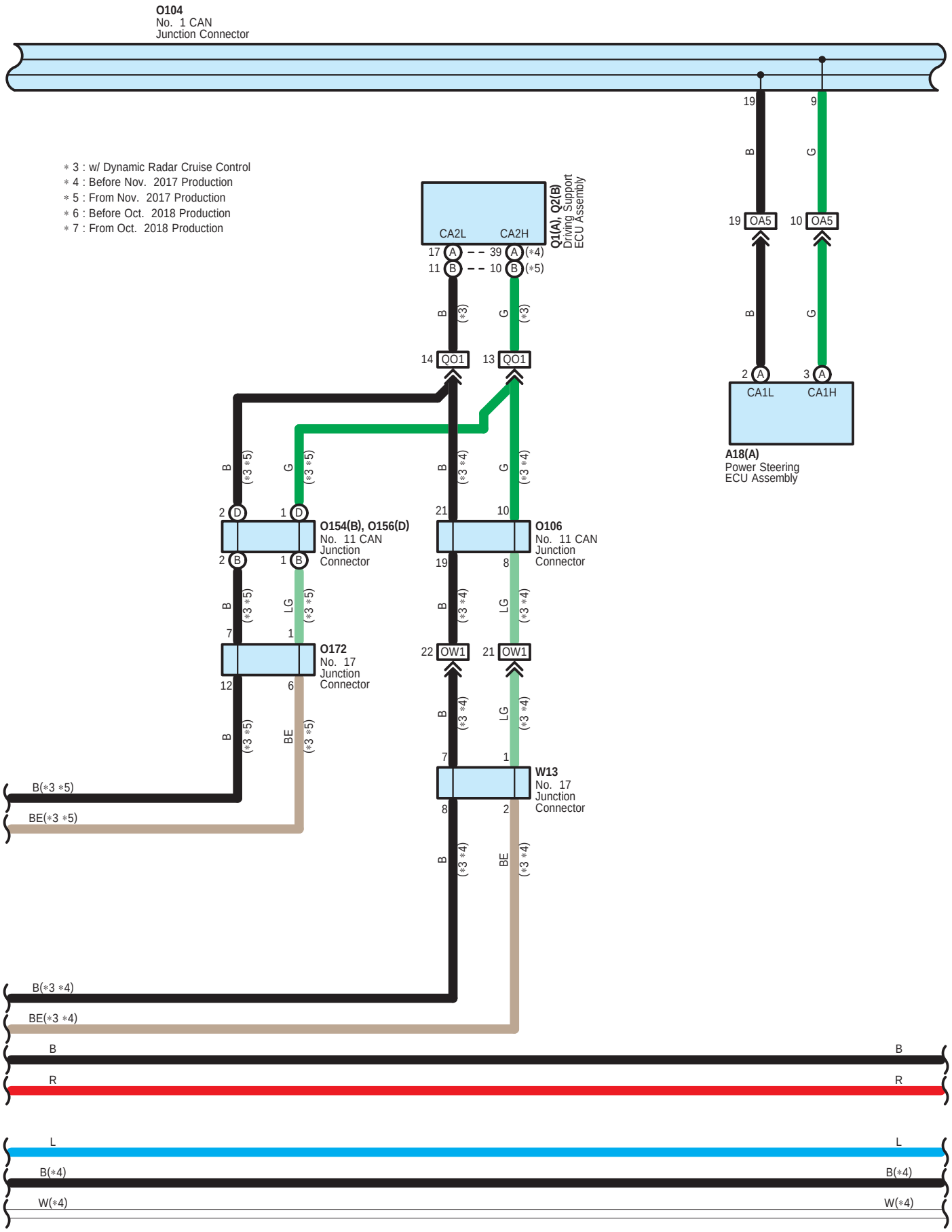

(IG)
10A
P INJ
2
3 1G
SB
A72(A), F6(B)
ECM
55 AF1
SB
#20
#40
#10
#30
17 B
19 B
20 B
18 B
L
V
B
GR
3 FK1
6 FK1
2 FK1
5 FK1
1 FK1
SB
R
GR
Y
L
2
K6
Fuel Injector Assembly No. 2
(for Port Injection)
K8
Fuel Injector Assembly No. 4
(for Port Injection)
K5
Fuel Injector Assembly No. 1
(for Port Injection)
K7
Fuel Injector Assembly No. 3
(for Port Injection)
1
SB
SB
SB
SB
SB
SB
B
P
B
R
W

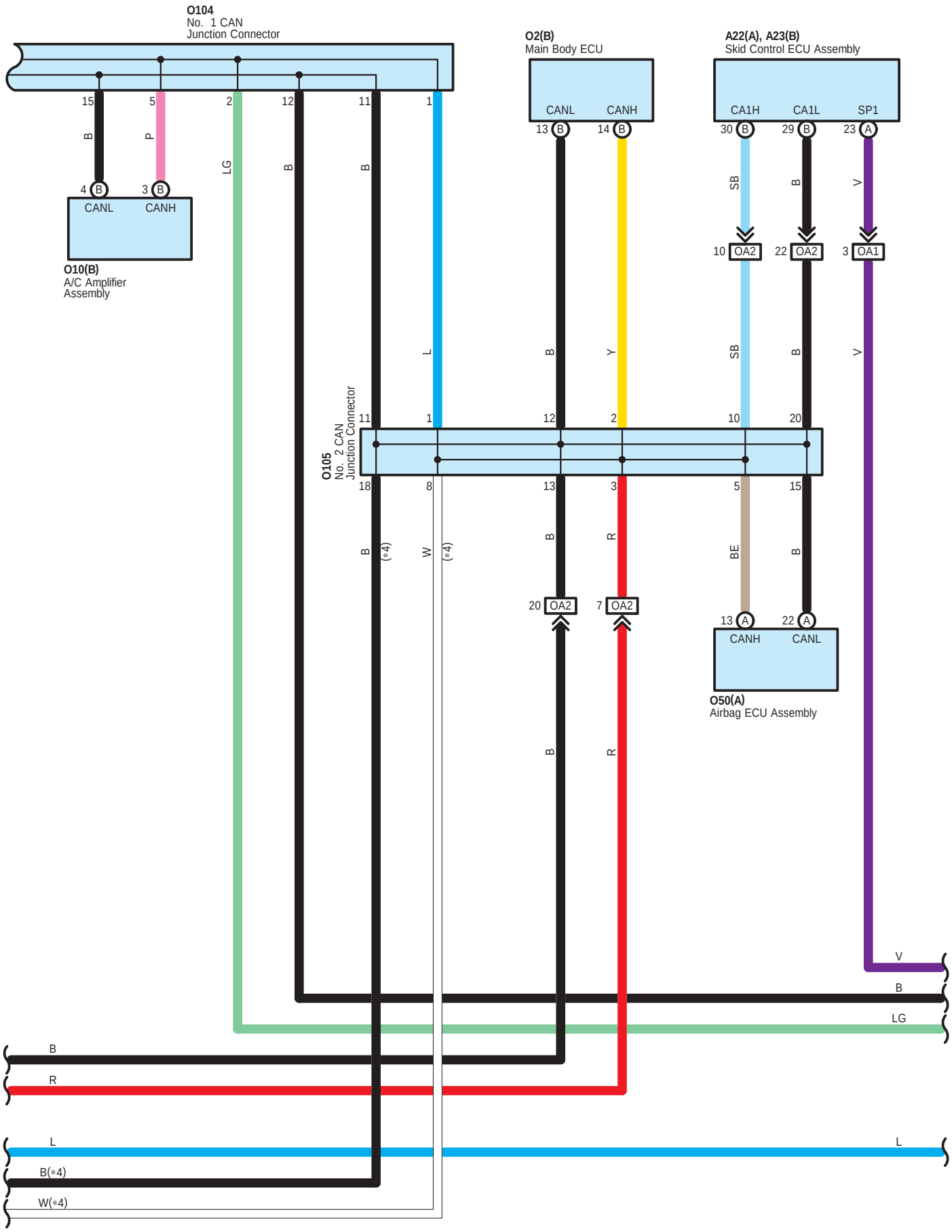

A80(A), A81(B), O141(C), O142(D)
Hybrid Vehicle Control ECU
CA3N
CA3P
STP
VCP2
VCPA
VPA
VPA2
EPA
EPA2
30 D
31 D
15 A
8 A
9 A
30 A
28 A
20 A
18 A
(BAT)
5A
STOP
2
1
W
B
R
R
W
G
L
R
B
GR
1
4
6
3
5
2
VCP2
VCP1
VPA1
VPA2
EP1
EP2
A48
Accelerator Pedal Sensor Assembly
O110(A)
No. 8 CAN Junction
Connector
O162(B)
No. 13 CAN Junction
Connector
12 A 1 A (*4)
12 B 1 B (*5)
14 A 3 A (*4)
14 B 3 B (*5)
1
B
IC1
GND
L
3
2
A52
Stop Light Switch Assembly
B
P
R
W–B
W–B
* 4 : Before Nov. 2017 Production
* 5 : From Nov. 2017 Production
B
P
B
R
W
B
R
W
AF

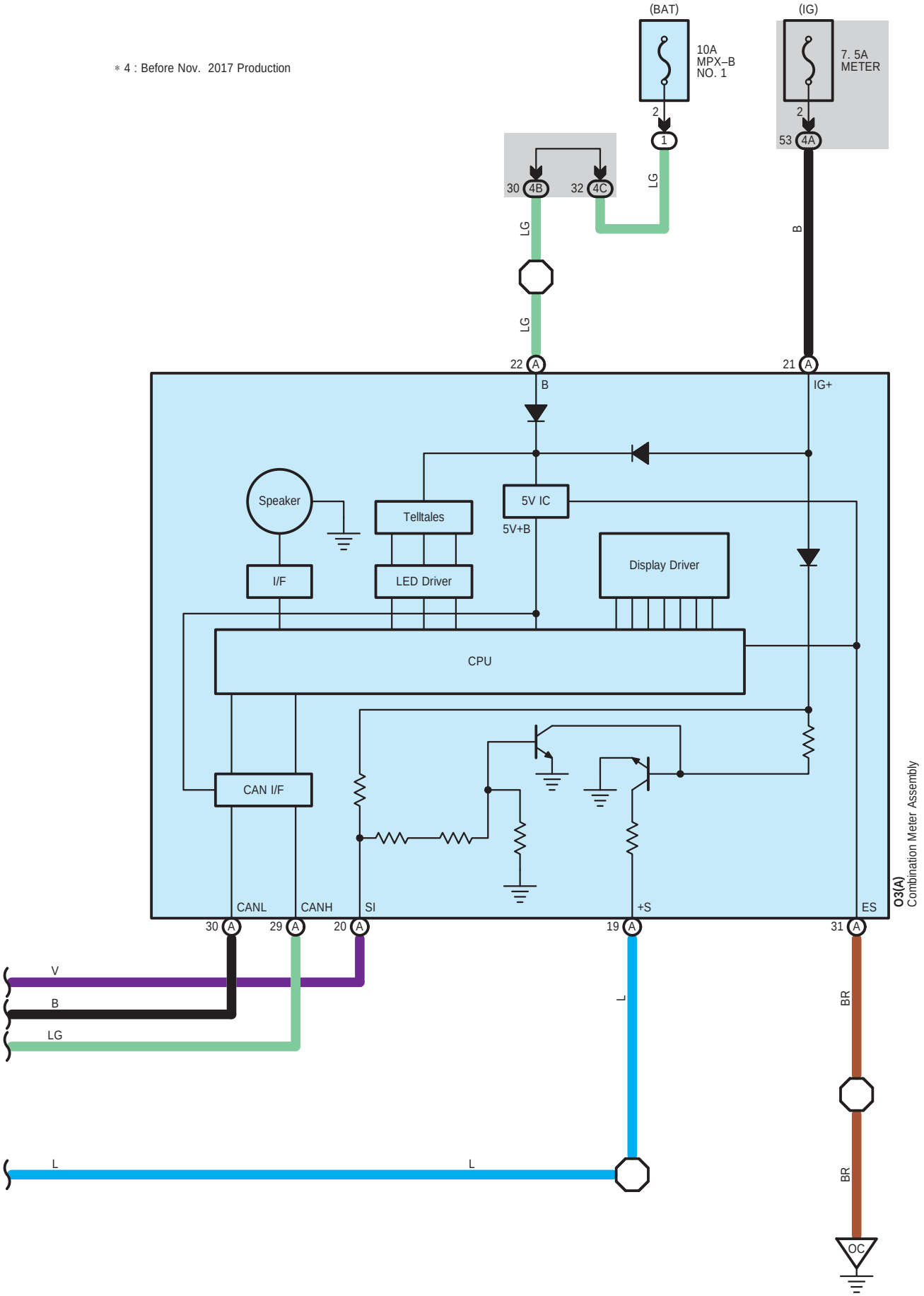

A80(A), A81(B), O141(C), O142(D)
Hybrid Vehicle Control ECU
PSFT
P
R
N
D
RV
FD
MJ
1 B
21 B
15 B
16 B
26 B
17 B
20 B
34 B
L
G
L
R
P
G
L
B
37 AF1
38 AF1
39 AF1
40 AF1
34 AF1
35 AF1
36 AF1
G
L
R
Y
GR
P
B
1
5
2
3
6
9
4
+B
P
R
N
D
RV
FD
MJ
P
R
N
D
7
F55
Shift Lever Position Sensor
R
11 AF1
L
B
R
W
B
R
W


A80(A), A81(B), O141(C), O142(D)
Hybrid Vehicle Control ECU
E1
E12
CA1L
CA1H
6 C
4 D
24 D
25 D
BR
W–B
B
SB
GR
L
5
1
SS1
SS2
SS1
SS2
AGND
Free
Full Traveling
AGND
O49
Power Switch
6
LG
L
GR
12 C
18 C
16 C
AGND
SSW2
SSW1
E
SPD
CANL
CANH
O6(C)
Certification ECU
11 C
5 C
8 C
7 C
L
B
W
W
B
BR
BR
B
R
W
B
R
W
L
OB
OC

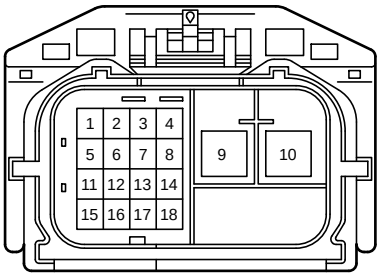

O104
No. 1 CAN Junction Connector
O46(A), O145(B)
Network Gateway ECU
CA1H
CA1L(*4)
CA4H
CA4L(*5)
CA2H
CA2L(*4)
CA5H
CA5L(*5)
CA6L
CA6H
O8(A), O199(B)
DLC3
CANL
CANH
TAC
U61
No. 15 CAN
Junction Connector
U53
No. 9 CAN
Junction Connector
OU3
OA1
OW1
B(*3 *5)
BE(*3 *5)
B(*3 *4)
BE(*3 *4)
B(*4)
W(*4)


O104
No. 1 CAN
Junction Connector
∗3 : w/ Dynamic Radar Cruise Control
∗4 : Before Nov. 2017 Production
∗5 : From Nov. 2017 Production
∗6 : Before Oct. 2018 Production
∗7 : From Oct. 2018 Production
Q1(A), Q2(B)
Driving Support
ECU Assembly
CA2L
CA2H
17 A
11 B
39 A (∗4)
10 B (∗5)
14 QO1
13 QO1
19 OA5
10 OA5
2 A
3 A
CA1L
CA1H
A18(A)
Power Steering
ECU Assembly
O154(B), O156(D)
No. 11 CAN
Junction
Connector
O106
No. 11 CAN
Junction
Connector
O172
No. 17
Junction
Connector
22 OW1
21 OW1
W13
No. 17
Junction
Connector
B(∗3 ∗5)
BE(∗3 ∗5)
B(∗3 ∗4)
BE(∗3 ∗4)
B
R
L
B(∗4)
W(∗4)


O104
No. 1 CAN
Junction Connector
O2(B)
Main Body ECU
A22(A), A23(B)
Skid Control ECU Assembly
CANL
CANH
CA1H
CA1L
SP1
O10(B)
A/C Amplifier
Assembly
O105
No. 2 CAN
Junction Connector
OA2
OA1
O50(A)
Airbag ECU Assembly
B(*4)
W(*4)

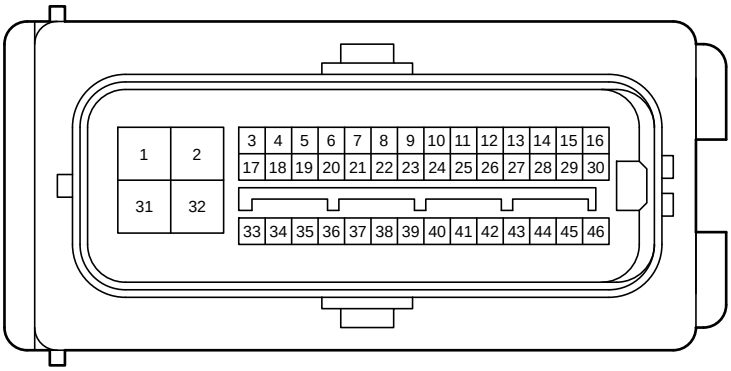

* 4 : Before Nov. 2017 Production
(BAT)
10A
MPX–B
NO. 1
(IG)
7. 5A
METER
2
1
2
53 4A
30 4B
32 4C
LG
LG
LG
B
22 A
21 A
B
IG+
Speaker
Telltales
5V IC
5V+B
Display Driver
I/F
LED Driver
CPU
CAN I/F
CANL
CANH
SI
+S
ES
30 A
29 A
20 A
19 A
31 A
O3(A)
Combination Meter Assembly
V
B
LG
L
BR
L
L
BR
OC

A18
Black



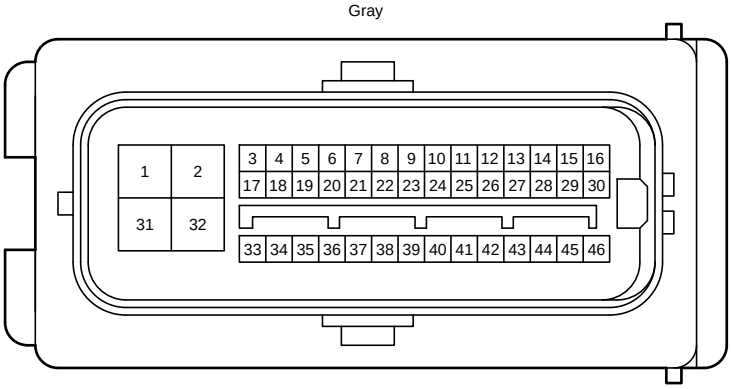
90980-12573

A22
Black



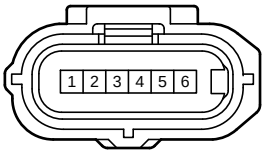
90980-12297

A23
Gray



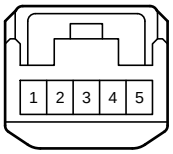
90980-12426

A48
Black



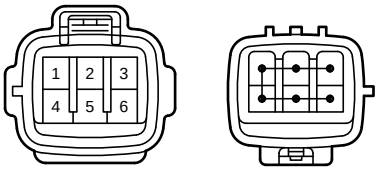
90980-12831

A52
White



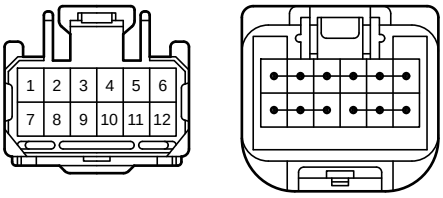
90980-12366

A68
White



90980-11194

A69
Gray



90980-11661

A72
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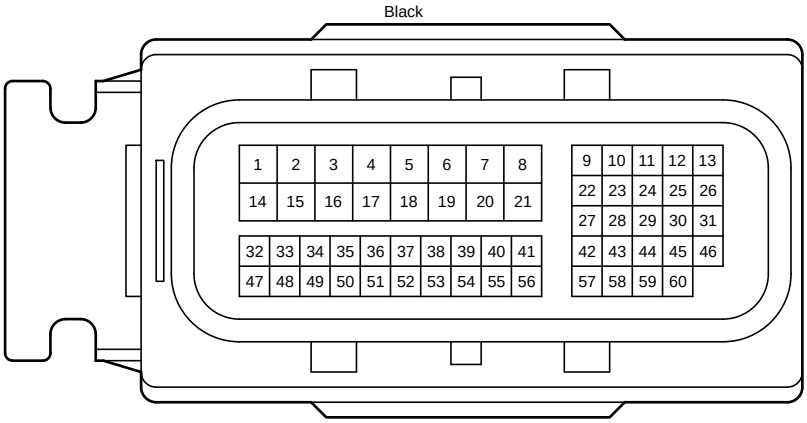

90980-12931

A80
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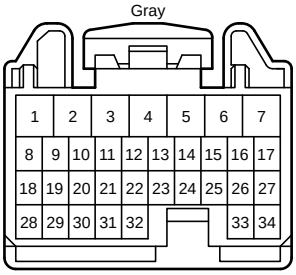

90980-12430

A81
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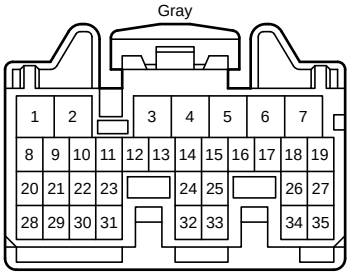

90980-12428

F6
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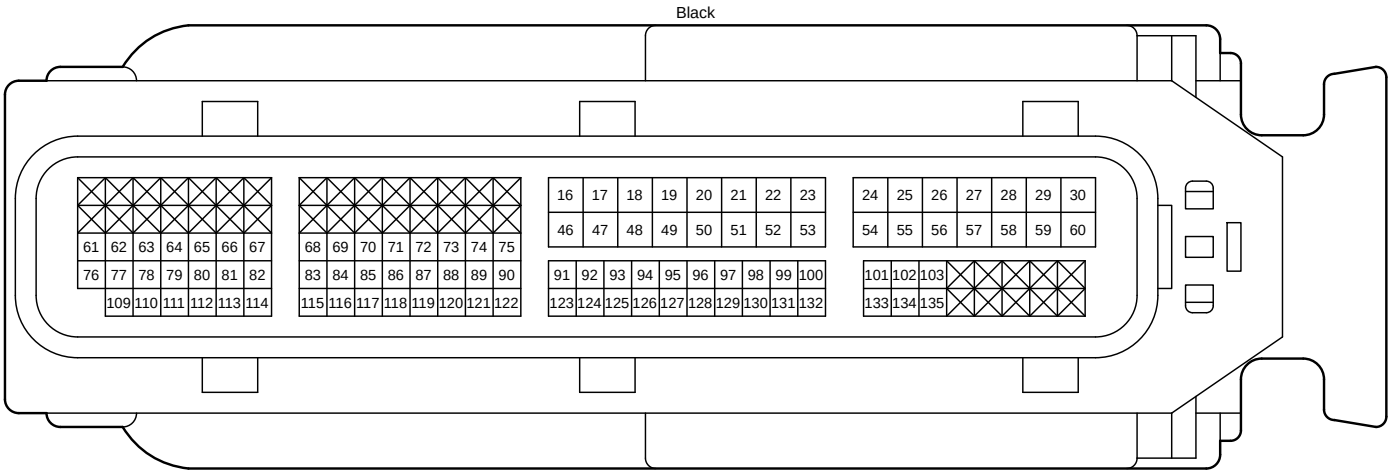

90980-12974

F7
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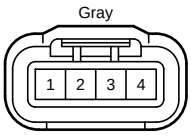
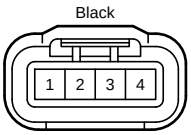


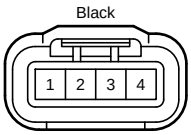
90980-11885

F8
Black



90980-11885

F11
Black



90980-11885

F13
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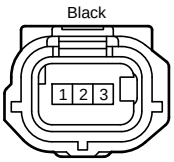

90980-12353

F19
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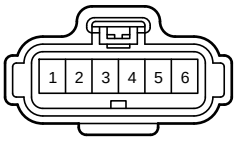
90980-11162

F21
Black



90980-11858

F22
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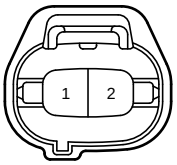


90980-11156

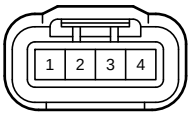
F28
Black

90980-11162

F29
Gray

90980-11885

F30
Black



90980-11885

F32
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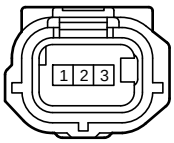

90980-12353

F33
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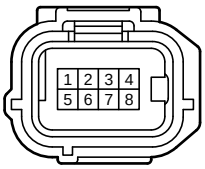
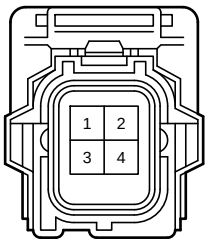


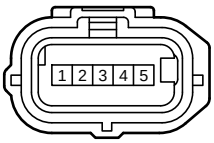
90980-12520

F35
Black



90980-12704

F38
Black



90980-12292

F40
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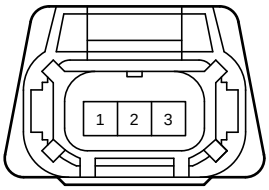


90980-12A19

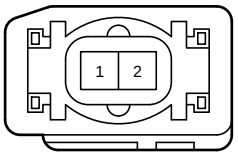
F46
White

90980-10869

F49
Gray

90980-10735

F50
Black

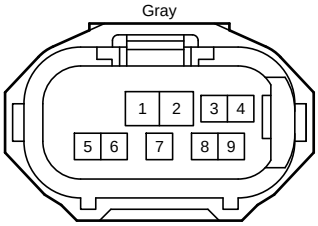


90980-12747

F52
Dark Gray

90980-10869

F55
Gray

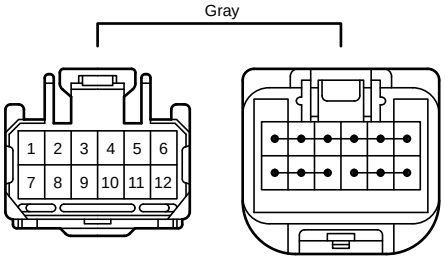


90980-12A23

F59
Black

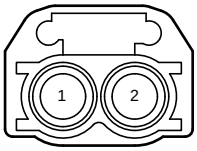
90980-11144

F62
Gray



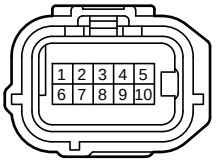
90980-11661

F66
Black



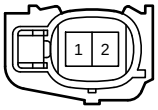
90980-12028

J1
Black



90980-12380

J2
Black



90980-11875

J3
Black

90980-12117

J4
Black

90980-12117

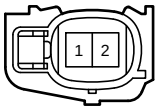
J5
Black

90980-12117

J6
Black

90980-12117

K5
Black



90980-11875

K6
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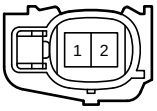
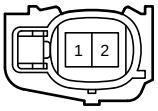


90980-11875

K7
Black



90980-11875

K8
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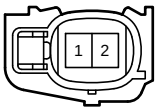
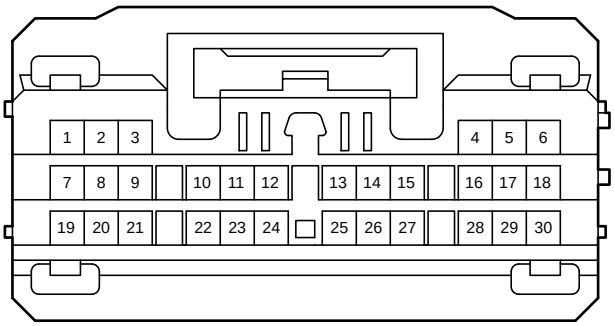


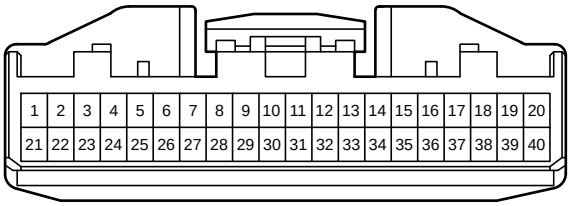
90980-11875

O2
White



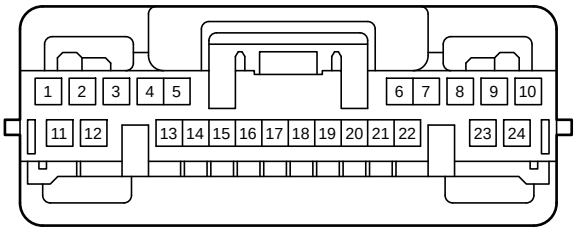
90980-12909

O3
Black



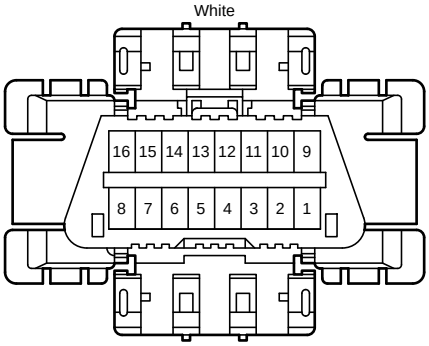
90980-12557

O6
Black



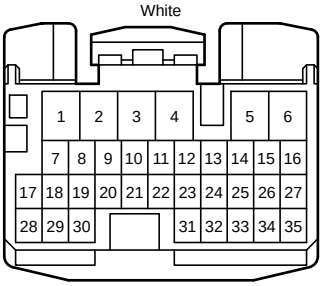
90980-12A42

O8
White



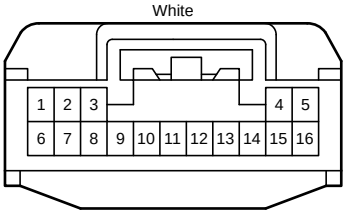
90980-11665

O10
White



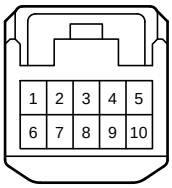
90980-12529

O46
White



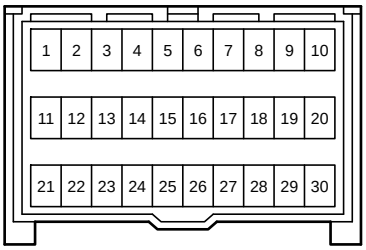
90980-12423

O49
Black



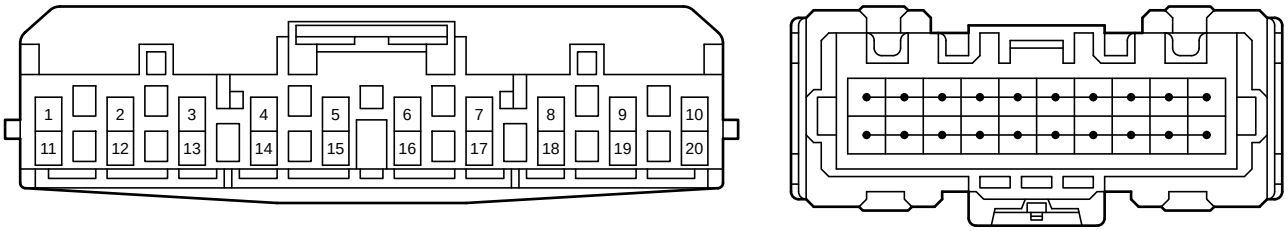
90980-12368

O50
Yellow



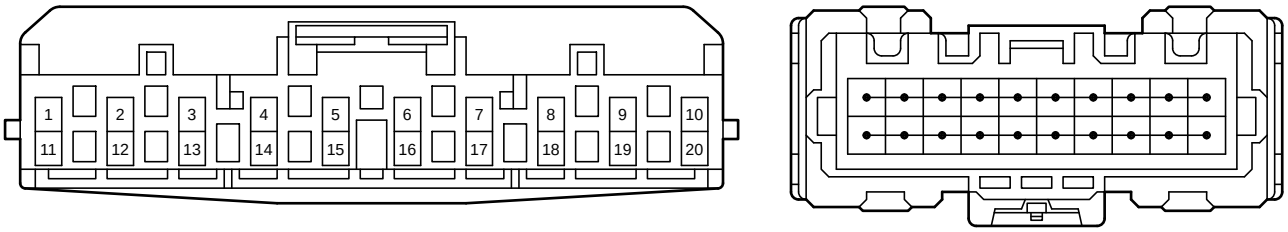
90980-12391

O104
White



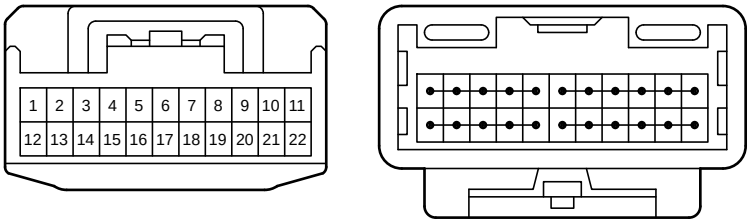
90980-12A58

O105
White



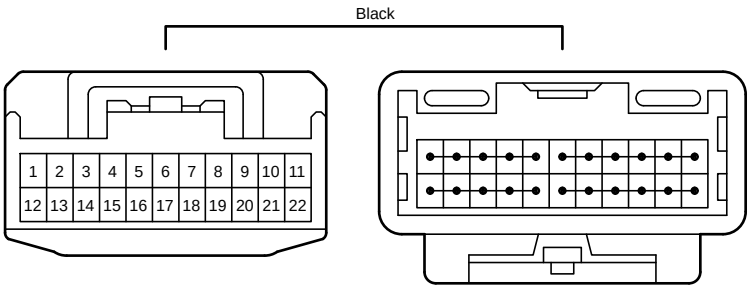
90980-12A58

O106
Black



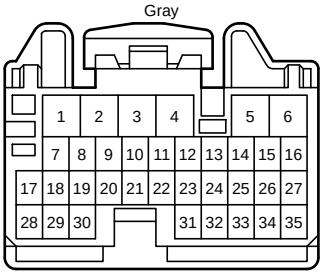
90980-12372

O110
Black



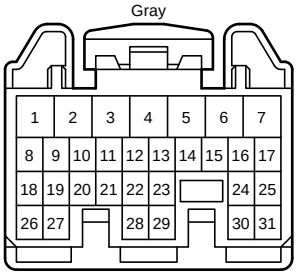
90980-12372

O141
Gray



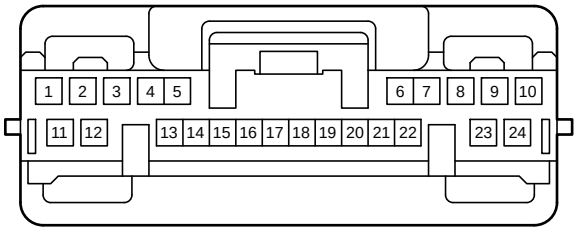
90980-12429

O142
Gray



90980-12431

O145
Black



90980-12912

O154
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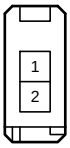
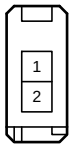


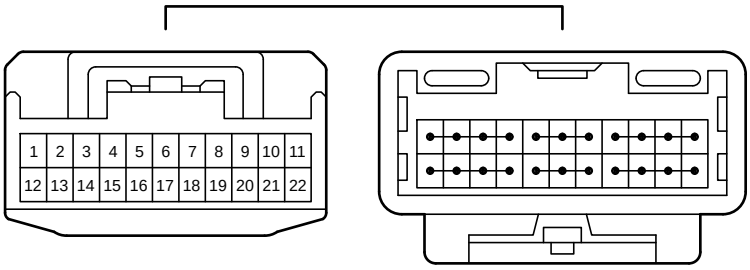
90980-12827

O156
White



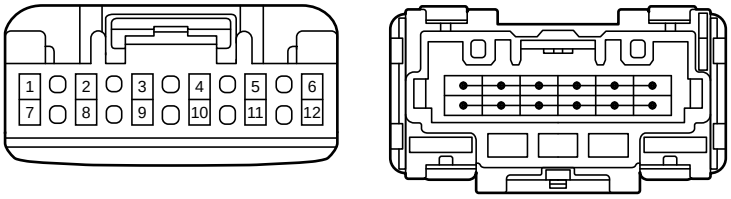
90980-12827

O162
Black



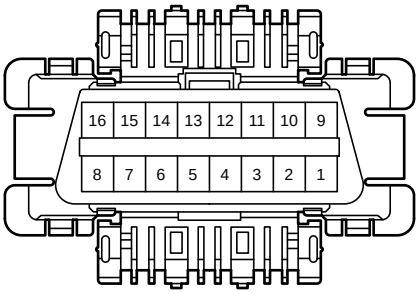
90980-12372

O172
White



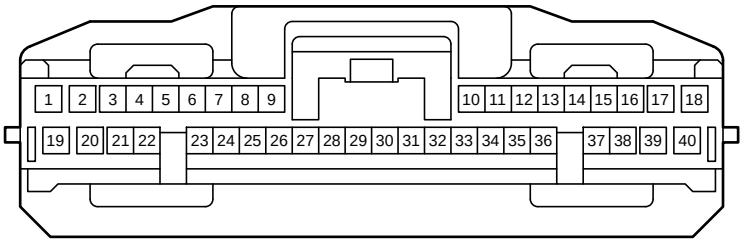
90980-12C68

O199
White



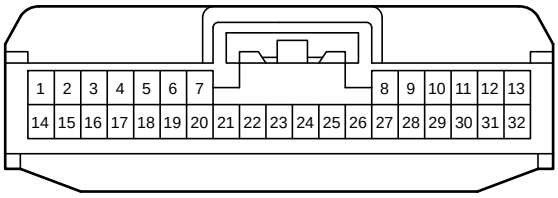
90980-12D97

Q1
White



90980-12708

Q2
White

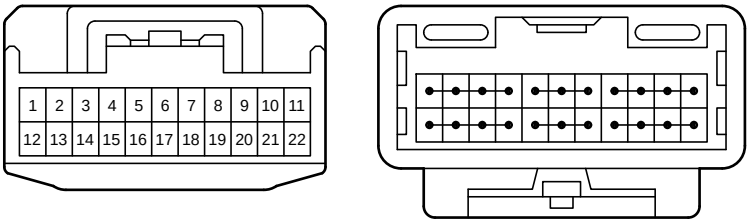


90980-12422

U25
White

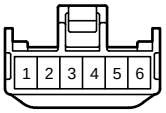
90980-11077

U53
White



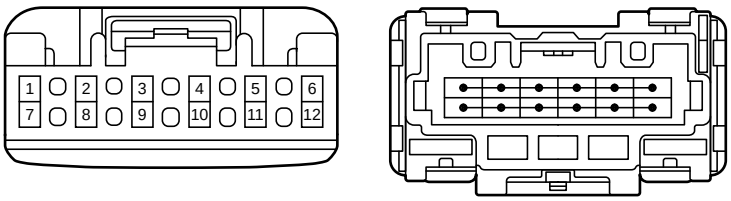
90980-12372

U56
Black



90980-10957

U61
White



90980-12C68

W13
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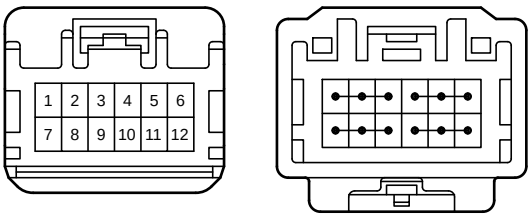
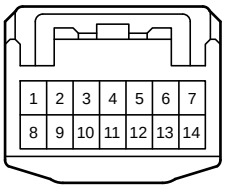


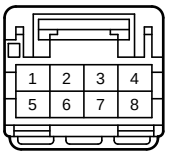
90980-12737

1D
White



90980-12370

1G
White



90980-12A54

4A
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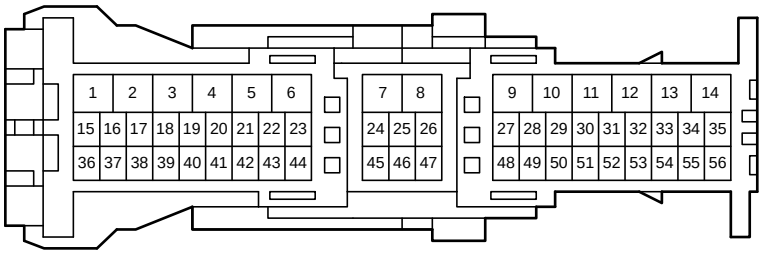
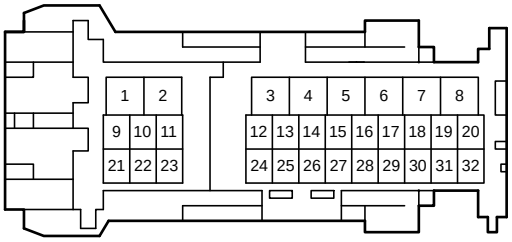


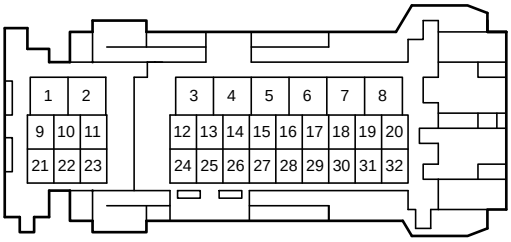
90980-12943

4B
White



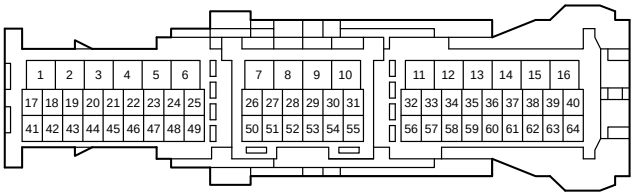
90980-12A48

4C
White

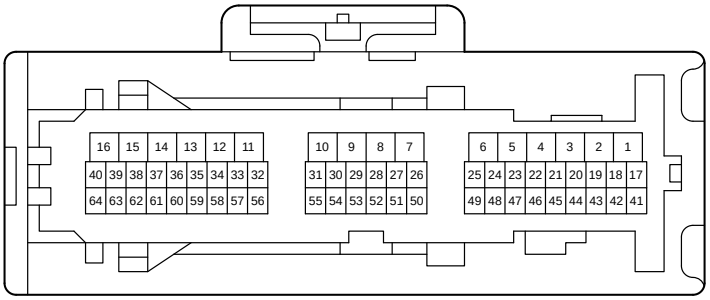


90980-12A47

AF1
White

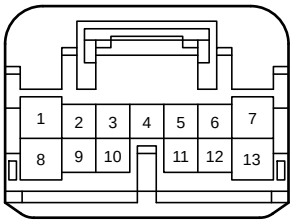


90980-12774

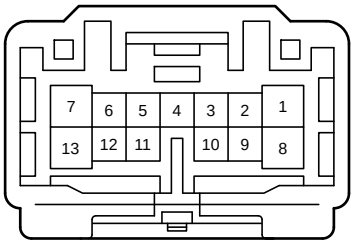


90980-12798

AU2
Blue

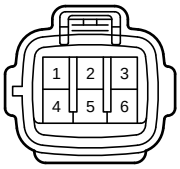


90980-12767

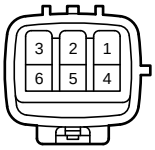


90980-12766

FK1
Black



90980-11194



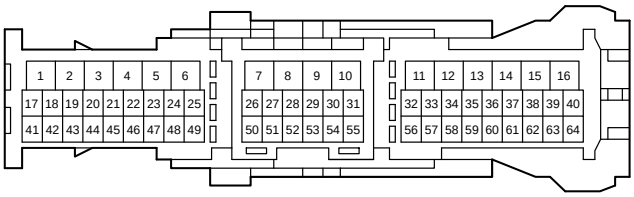
90980-11193

JF1
Gray

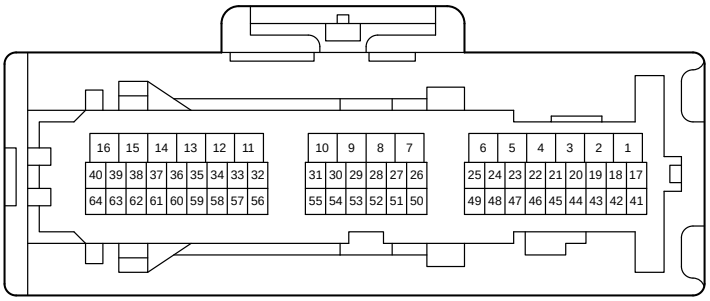
90980-10869

90980-10868

OA1
White

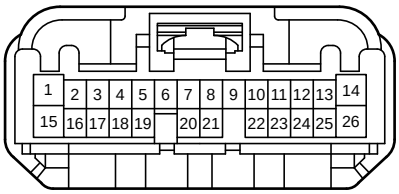


90980-12774

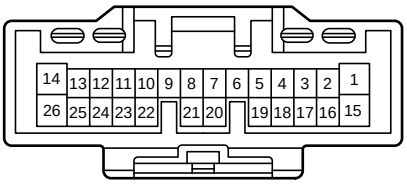


90980-12798

OA2
White

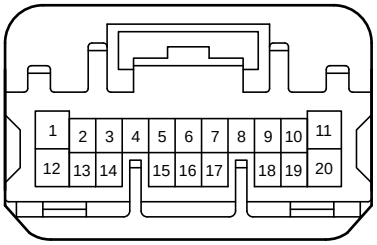


82824-24090

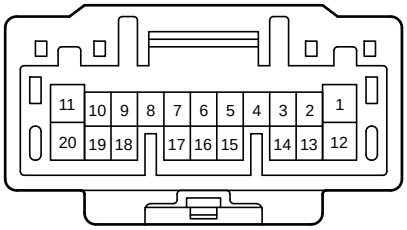


82824-24080

OA5
White

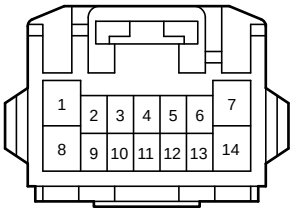


90980-12741

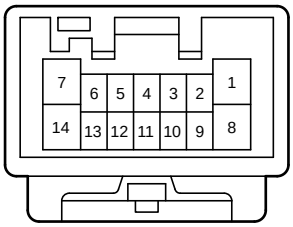


90980-12740

OU3
White



82824-53090



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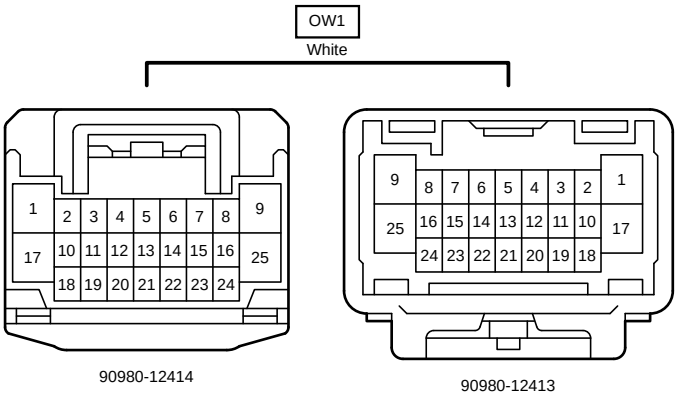
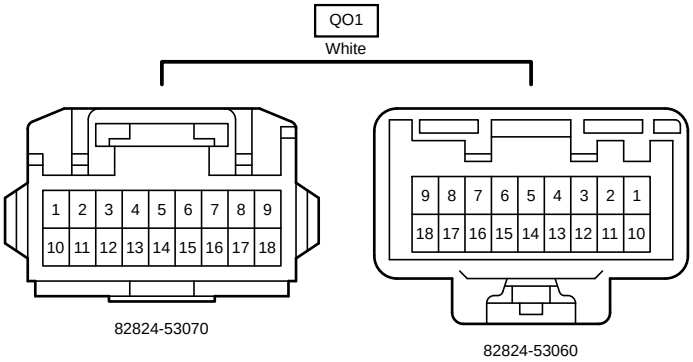


90980-12414

90980-12413



82824-53070

82824-53060